

ATTACHMENT B
FREDERICK COUNTY, MD SIGNAGE & MARKING PLAN
REVISED MARCH 2019

I. GENERAL NOTES FOR SIGNAGE AND PAVEMENT MARKING SPECIFICATIONS

1. All signage and pavement marking shall comply with the latest “Standard Specifications for Construction & Materials”, as published by the Maryland Department of Transportation (MDOT) State Highway Administration (SHA), and latest revisions or additions, including specification and latest revisions herein. The specifications shall hereafter be referred to as the specifications.

The specifications are assessable on line at:

https://www.roads.maryland.gov/ohd2/2018_Standard_Specifications.pdf

2. All standard details and standard plates referred to shall be those of the State of Maryland, Department of Transportation, State Highway Administration’s “Book of Standards for Highway & Incidental Structures” or Frederick County Standard Details and the latest revision thereto. The State of Maryland, Department of Transportation, and State Highway Administration “Book of Standards” shall be referred to as the Maryland State Highway Administration’s “Book of Standards” or Maryland State Highway Administration standards. Access to the State of Maryland Highway Administration standards can be found on-line at: <http://apps.roads.maryland.gov/businesswithsha/bizstdsspecs/desmanualstdpub/publicationonline/ohd/bookstd/index.asp>
3. References to the State of Maryland, State, S.R.C., State Roads Commission, State Highway Administration, or Commission in these specifications shall be interpreted to mean Frederick County, Maryland.
4. References to officials of Maryland State Government or the Maryland State Highway Administration Book of Standards shall be interpreted to mean the appropriate official in Frederick County Government, unless specified otherwise.

II. CONSTRUCTION & REQUIREMENTS

A. PAVEMENT MARKINGS: SELECTED FROM THE QUALIFIED PRODUCTS LIST (QPL)

1. All markings shall be 5” thermo-plastic, unless exception is requested and granted. Temporary tape can be used on base pavement and be completely removed before final striping.
2. Grinding of pavement markings on final wearing surface is prohibited.
3. Temporary waterborne paint markings may be used on base or temporary surfaces only and be 5 inch in width. Temporary tape can be used on base surface.
4. School Zone Crosswalks shall have longitudinal lines (not diagonal) and be either a ladder (transverse lines with longitudinal lines through crosswalk) or cross-hatched (longitudinal lines, to the direction of travel, without transverse lines on top and bottom of crosswalk).
5. Other Crosswalks may be indicated using two transverse lines.
6. Approved pavement marking types and colors are selected from the QPL and found here: <https://www.roads.maryland.gov/mdotsha/pages/index.aspx?PageId=600#reflect>

B. SIGN POST MATERIAL – 2 INCH SQUARE TUBE STEEL SIGN POST

This work shall consist of furnishing and erecting steel sign posts as specified in the Contract Documents, Manufacturer's Recommendations or as directed by the Engineer. All posts require utility clearances. If posts other than the standard 2 inch square tubes are desired, documentation of the request needs to be submitted to and signed off by Frederick County Division of Planning and Permitting.

1. Galvanized Steel Posts – 2 Inch Square, 14 Gauge Steel, Bolt Knockouts (No Holes) Drive Rivets 1 inch on center on all 4 sides un-punched, and capped.
2. Galvanized Steel Sleeves – 2 ¼" x 36", 14 Gauge Steel
3. Galvanizing for Posts and Sleeves – A123
4. Galvanizing for Hardware – A153
5. Galvanizing for Bare Metal – A780
6. Tamper Resistant Bolts, Nuts, Washers, Fasteners, Rivets, etc. – 909.07

C. TRAFFIC SIGN REQUIREMENTS

1. 3M DG Cubed grade reflectorized sheeting (Diamond Grade Cubed) & 3M ElectroCut Film Series 1170 (or equivalent).
2. All signs (except STOP signs) must have rounded corners including Street Name Signs (SNS).
3. STOP signs minimum size is 30 inches; 36 inches on multilane roads with approaching speed limits over 40mph.
4. All signs to be firmly & securely fastened with materials meeting standards in Section B.
5. Where feasible, minimize sign posts by placing traffic signs on existing poles.
6. Place traffic signs for driver visibility, especially STOP signs.
7. Identification Stickers on back side of signs to be non-reflective sign grade sheeting with standard adhesive. (Detail A).

D. STREET NAME SIGNS (SNS) & ROAD NAME LETTERING & SHEETING

1. 3M DG Cubed grade reflectorized sheeting (Diamond Grade Cubed) & 3M ElectroCut Film Series 1170 (or equivalent)
2. All Street Name Signs (SNS) must have rounded corners.
3. SNS – Use double blade (not extruded blades).
4. All signs to be firmly & securely fastened with materials meeting standards in Section B.
5. Mount SNS above STOP signs when present on sign posts.
6. Sign color to be latest adopted State Standard.
7. Install SNS for both main street and intersecting street(s):
 - a. The main SNS shall be the top sign if intersecting SNS is present.
 - b. 9 inch high double aluminum blades (double or 2 SNS blades to be used. Extruded aluminum blades not permitted).
 - c. 6 inch road name, 3 inch road suffix & 3 inch hundred block number with arrow pointing towards increasing block numbers.
 - d. White (reflectorized) lettering on Green (reflectorized) background for public roads.
 - e. Black lettering on White (reflectorized) background for private roads.
 - f. First letter only in street name should be capitalized.
 - g. Federal Highway Font (Highway Gothic).

E. RIGHT-OF-WAY LANDSCAPE (AMENITIES) AGREEMENT

1. Documentation needs to be submitted and approved by Frederick County Division of Planning and Permitting for any trees, shrubs, hardscape, etc. that are planned to be installed in the public right-of-way. The Division of Planning and Permitting may require additional coordination with the Division of Public Works to review amenities that draw concern to obstructing safe line-of-sight distances, create roadside hazards or could cause difficulties in maintaining the public improvements.
2. This agreement will state the responsible owner(s) of the amenities and clarify the requirements and terms for the future maintenance, repair or replacement of the amenities in the public right-of-way in order to be kept in good condition.
3. If responsible owner(s) fail in the obligation to keep amenities in good condition Frederick County has the right to take necessary action to remove amenities threatening public safety, health or welfare at owner's expense.
4. A sample Landscaping License Agreement can be found here:
<https://www.frederickcountymd.gov/DocumentCenter/Home/Index/182>

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